

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER <i>(ER 1130-2-306)</i>						PAGE 1 OF 1			
DATE August 31, 2006									
TO: The Record					FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
RIVER/HARBOR NAME AND STATE: New York and New Jersey Channels, Gulf Port Reach to Constable Hook Reach						MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)					
ARTHUR KILL									
Gulf Port Reach (Partial) (~23.5 – 23.8 mil) Commencing from 700 ft south of Goethals Bridge to 800 feet North of Staten Island Rail Road	Map 1282, Pg 14 thru 15 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	500 – 600	0.28	35	35.5	37.1	37.4	32.8	
Elizabeth Port Reach (23.8 – 24.8 mil) From a point 800 feet North of Staten Island Rail Road to 200 feet West of RED NUN #20	Map 1282, Pg 13 thru 14 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	500 – 600	0.87	35	33.5	37.6	36.5	31.8	
North of Shooters Island Reach (24.8 – 26.0 mil) From a point 200 feet West of RED NUN #20 to 300 feet East of GREEN GAS #17	Map 1282, Pg 11 thru 13 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	600	1.04	35	34.9	38.1	34.0	28.1	
KVK									
Bergen Point West Reach (26.0 – 27.2 mil) From a point 250 feet East of GREEN GAS #17 to a point 430 feet East of GREEN GAS #11	Map 1282, Pg 9 thru 10 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	800 – 1,150	1.04	45	51.8	39.7	39.3	39.2	
Bergen Point East Reach (27.2 – 28.5 mil) From a point 430 feet East of GREEN GAS #11 to a point 1,700 feet West of GREEN GAS #9	Map 1282, Pg 7 thru 9 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	800	1.13	45	44.2	47.1	46.3	43.5	
Constable Hook Reach (28.5 – 31.0 mil) From a point 1,700 feet West of GREEN GAS #9 to a point 1,300 feet East of RED/GREEN GAS KV BUOY	Map 1282, Pg 2 thru 7 of 15: 12-14, 26-28 April & 1-4, 8-12, 15- 18, 22-23, 30-31 May 2006	800 – 1,400	2.17	45	44.3	46.4	46.2	40.2	
REMARKS: <ul style="list-style-type: none"> All depths in MLW Channel Shoaling: ARTHUR KILL <ul style="list-style-type: none"> Gulf Port Reach: Minimal Shoaling along the right outer portion of the channel near the RR Bridge Crossing. Elizabeth Port Reach: Spot shoaling along the right and left outer portions of the channel with minimal depth of 31.8 feet along the right toe line of the channel. North of Shooters Island Reach : Some shoaling occurs along the right outer portions of the channel starting from approximately 1,700 feet west of Green Gas #17 to approximately 150 feet west of Green Gas #17 with minimal depth of 28.1 feet KVK <ul style="list-style-type: none"> Bergen Point West Reach: Shoaling exists along the center and right portion of the channel commencing from beginning of the Reach to just beyond Bayonne Bridge with minimal depth of 39.2 feet. Bergen Point East Reach: Some small spot shoals along the channel toe lines with minimal depth of 43.5 feet. Constable Hook Reach: Some shoaling exists along the right outer portion of the channel in between GREEN GAS #1 and GREEN GAS #5 with minimal depth of 40.2 feet. 									